

To: Turner, Philip[Turner.Philip@epa.gov]; OBrien, Wendy[OBrien.Wendy@epa.gov]; Rauscher, Jon[Rauscher.Jon@epa.gov]; Black, Ned[Black.Ned@epa.gov]; McKean, Deborah[mckean.deborah@epa.gov]
From: Wall, Dan
Sent: Mon 8/10/2015 2:41:29 PM
Subject: RE: King Gold - EU call

Flood irrigation. Several head gates were either left open or broken from heavy spring runoff. Field may be contaminated.

There is no handle on Hg background but it has been released based on the earliest sample collected from the mine drainage (totals). The community wants it.

Please call if you want to discuss.

Dan Wall, PhD
Ecotoxicologist
Ecosystems Protection and Remediation
U.S. EPA Region 8 (8EPR-S)
1595 Wynkoop Street
Denver, CO 80202-1129

Office: (303) 312-6560
Cell: (303)-253-1659
FAX: (303) 312-7517

From: Turner, Philip
Sent: Monday, August 10, 2015 8:33 AM
To: Wall, Dan; OBrien, Wendy; Rauscher, Jon; Black, Ned; McKean, Deborah
Subject: RE: King Gold - EU call

Soils???

Sediments may not be a problem for screening. What is background/baseline?

Why food chain models? There better be a good handle on background Hg.

From: Wall, Dan

Sent: Monday, August 10, 2015 9:24 AM

To: OBrien, Wendy; Turner, Philip; Rauscher, Jon; Black, Ned; McKean, Deborah

Subject: RE: King Gold - EU call

Im jumping in the middle of a comverstation without the luxury of being able to read but, The southern Ute Tribe (south of Durango) is going to be using AWQC or tribe numbers.

Zinc is a biggest eco number for this area and we with USGS have already shown that Zn is conservative in that at ambient pHs it remains mostly dissolved in water column and is a good marker chemical for the movement of the plume.

I am going to need action numbers for sediment and soils as well. We will be putting SanJuan county in a landfill if we use Eco SSLs and Concensus sed numberds as clean up numbers.

We also committed ourselves to look at wildlife last night. Hg food chain models...

From: OBrien, Wendy

Sent: Monday, August 10, 2015 7:47 AM

To: Turner, Philip; Rauscher, Jon; Wall, Dan; Black, Ned; McKean, Deborah

Subject: RE: King Gold - EU call

ASAP, need your wishes for first 4 metals we want trend lines for. Otherwise I will go with arsenic, copper, manganese, and cadmium.

Thx

Wendy O'Brien, DVM, PhD, DABT

Toxicologist, Ecosystems Protection and Remediation

USEPA Region 8

1595 Wynkoop Street

Denver, CO 80202

Phone: 303.312.6712

FAX: 303.312.7151

From: Turner, Philip

Sent: Monday, August 10, 2015 7:09 AM

To: OBrien, Wendy; Rauscher, Jon; Wall, Dan; Black, Ned; McKean, Deborah

Subject: RE: King Gold - EU call

I'm actually glad to hear of the CO specific numbers, because we have been planning on using numbers provided by NM... which are not quite as stringent as those Canada numbers were. However, we were going to use the Canada numbers to fill in a few gaps. NM offered different numbers for livestock and irrigation, and I think that is a good idea. Irrigation numbers are generally a lower because if you water with this stuff in an arid environment, whatever is in it will accumulate in the soils.

For eco water values, we are planning also to use values provided by NM. They are acute and chronic values for aquatic life, and since these are hardness specific, they are likely to be different among us. The Animas on our end hovers around a hardness of 180.

From: OBrien, Wendy
Sent: Monday, August 10, 2015 7:58 AM
To: Turner, Philip; Rauscher, Jon; Wall, Dan; Black, Ned; McKean, Deborah
Subject: RE: King Gold - EU call

Yes, the values are MCLs I'm adding in Colo specific values as well as eco values (will need review by eco folks). Ag numbers updated to Colorado recommendations. Include irrigation and livestock.

Wendy O'Brien, DVM, PhD, DABT
Toxicologist, Ecosystems Protection and Remediation
USEPA Region 8
1595 Wynkoop Street
Denver, CO 80202

Phone: 303.312.6712
FAX: 303.312.7151

From: Turner, Philip
Sent: Monday, August 10, 2015 6:56 AM
To: OBrien, Wendy; Rauscher, Jon; Wall, Dan; Black, Ned; McKean, Deborah
Subject: RE: King Gold - EU call

Hi Wendy,

I assume these GW screening levels are MCLs? I'm also curious what/why the changes to the livestock numbers. These are quite different than the others (from Canada). We can discuss this on our call this morning. Hopefully, you guys are available.

Phil

From: OBrien, Wendy
Sent: Sunday, August 09, 2015 7:10 PM
To: Rauscher, Jon; Wall, Dan; Turner, Philip; Black, Ned; McKean, Deborah
Subject: RE: King Gold - EU call

Yes – this will be for the public viewer, the one Eric Delgado is doing for R6.

Here is a consolidated table of screening values, please note agricultural values have been updated. We also need to confer with eco tox folks regarding eco screening levels.

Wendy O'Brien, DVM, PhD, DABT

Toxicologist, Ecosystems Protection and Remediation

USEPA Region 8

1595 Wynkoop Street

Denver, CO 80202

Phone: 303.312.6712

FAX: 303.312.7151

From: Rauscher, Jon
Sent: Sunday, August 09, 2015 6:07 PM
To: OBrien, Wendy; Wall, Dan; Turner, Philip; Black, Ned; McKean, Deborah
Subject: RE: King Gold - EU call

Wendy,

Is the map with boxes for the public display of the data?

Thanks, Jon

From: OBrien, Wendy
Sent: Sunday, August 09, 2015 7:03 PM
To: Wall, Dan; Turner, Philip; Black, Ned; McKean, Deborah; Rauscher, Jon
Subject: RE: King Gold - EU call

All,

We are preparing maps with call out boxes indicating concentrations of different metals at different stations along the river. For our initial go, we'd like to identify the top 4 metals folks would like to see, along with pH.

Please send me your top 4 metals you might be most interested in at this stage. Examples might be copper, manganese, arsenic, zinc, cadmium. There you go, I just identified more than 4. Please let me know your preference, as soon as you are able.

Thx.

wo

Wendy O'Brien, DVM, PhD, DABT

Toxicologist, Ecosystems Protection and Remediation

USEPA Region 8

1595 Wynkoop Street

Denver, CO 80202

Phone: 303.312.6712

FAX: 303.312.7151

From: Wall, Dan
Sent: Sunday, August 09, 2015 4:24 PM
To: Turner, Philip; Black, Ned; Delgado, Eric; Nattis, Randy; Hiatt, Gerald; McKean, Deborah; Keteles, Kristen; OBrien, Wendy; Rauscher, Jon
Cc: David Crow; Janine.Latham@WestonSolutions.com
Subject: RE: King Gold - EU call

Sorry we didn't make it. Public meeting tonight and tomorrow night.

From: Turner, Philip
Sent: Sunday, August 09, 2015 3:39 PM
To: Black, Ned; Delgado, Eric; Nattis, Randy; Hiatt, Gerald; McKean, Deborah; Wall, Dan; Keteles, Kristen; OBrien, Wendy; Rauscher, Jon
Cc: David Crow; Janine.Latham@WestonSolutions.com
Subject: RE: King Gold - EU call

We had the call at 3 Central time. I was wondering why only Wendy from R8 called in.

You did not miss anything since even Wendy was only on for 2 minute.

We'll try again tomorrow, I guess.

Phil

From: Black, Ned
Sent: Sunday, August 09, 2015 4:22 PM
To: Delgado, Eric; Nattis, Randy; Hiatt, Gerald; McKean, Deborah; Wall, Dan; Keteles, Kristen;

O'Brien, Wendy; Rauscher, Jon; Turner, Philip
Cc: David Crow; Janine.Latham@WestonSolutions.com
Subject: RE: King Gold - EU call

Yo dudes, what happened to the 2 PM call? Did it happen at 1 PM? Is there also a call at 3PM?

ned black, ph.d.

us epa r9

regional cercla ecologist

415-972-3055

Please be advised I currently have limited access to email when I am not in the office (e.g., on travel), therefore please be patient with any communication delays.

From: Delgado, Eric
Sent: Sunday, August 09, 2015 12:57 PM
To: Nattis, Randy; Hiatt, Gerald; McKean, Deborah; Wall, Dan; Keteles, Kristen; O'Brien, Wendy; Rauscher, Jon; Turner, Philip; Black, Ned
Cc: David Crow; Janine.Latham@WestonSolutions.com
Subject: King Gold - EU call

I think we need some of our START contractors in this call since they are coordinating the labs.

Thoughts?

King Gold - EU call

Scheduled: Sunday, Aug 9, 2015 from 3:00 PM to 4:00 PM

Location:

Invitees: Nattis, Randy; Hiatt, Gerald; McKean, Deborah; Wall, Dan; Keteles, Kristen; O'Brien, Wendy; Rauscher, Jon; Turner, Philip; Black, Ned

Sent from my iPad